

REMARKS

Status of the Claims

Claims pending in the above-identified application are Claims 1-6. Claims 12-21 are cancelled without prejudice. Claim 1 is amended, and the amendment does not introduce new matter into the above-identified application.

The Election/Restriction

The Final Office Action states that Claims 12-21 are drawn to an invention non-elected. Applicants have cancelled Claims 12-21 without prejudice.

The Rejection Under 35 U.S.C. § 103(a)

Claims 1-6 are rejected under 35 U.S.C. § 103(a). In view of the amendment to Claim 1, Applicants respectfully assert that the rejection is obviated. Accordingly, Applicants request the rejection be withdrawn.

Claims 1, 2, 4, and 5 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 4,788,366 to *Harandi et al.* The remarks presented in the Amendment After Final Rejection are incorporated here, but not repeated for brevity. Specifically, the reactor of the claimed invention is operably connected by separate inlet lines to both a source of catalyst and a source of olefin reactant. These two inlet lines are so arranged in respect to the reactor that the materials transferred in the lines are thoroughly contacted in the reactor. As suggested in the outstanding Final Office Action, Claim 1 has been amended to reflect these features. The outstanding Final Office Action states that *Harandi et al.* teach separate feed (210) and catalyst (250) inlet lines into reactor (220). Respectfully, this is not accurate. As illustrated in FIG. 2 of *Harandi et al.*, feed inlet line 210 is shown connected to catalyst inlet line 250, thus catalyst inlet line 250 is NOT separate from the feed inlet line 210. As recited in Claim 1, the first inlet line for olefin reactant and the second inlet line for catalyst are independent from one another. Thus, *Harandi et al.* do not teach or suggest each and every element of the claimed invention. Accordingly,

Applicants respectfully request that the rejection of Claims 1, 2, 4, and 5 under 35 U.S.C. § 103(a) over *Harandi et al.* be withdrawn.

Claim 3 is rejected under 35 U.S.C. § 103(a) as being unpatentable over *Harandi et al.* in view of U.S. Patent No. 5,689,028 to *Lashier et al.* The remarks presented in the Amendment After Final Rejection are incorporated here, but not repeated for brevity. Specifically, Claim 3 depends from Claim 1, and accordingly, the amendment to Claim 1 obviates the rejection of Claim 3. As stated in the Amendment After Final Rejection, there is no citation of disclosure in *Lashier et al.* that supplements the deficiency of *Harandi et al.* with respect to the first and second inlet lines of the claimed invention. Accordingly, Applicants respectfully request the rejection of Claim 3 under 35 U.S.C. § 103(a) over *Harandi et al.* in view of *Lashier et al.* be withdrawn.

Claim 6 is rejected under 35 U.S.C. § 103(a) as being unpatentable over *Harandi et al.* in view of U.S. Patent No. 5,521,264 to *Mehra et al.* The remarks presented in the Amendment After Final Rejection are incorporated here, but not repeated for brevity. Specifically, Claim 6 depends from Claim 1, and accordingly, the amendment to Claim 1 obviates the rejection of Claim 6. As stated in the Amendment After Final Rejection, there is no citation of disclosure in *Mehra et al.* that supplements the deficiency of *Harandi et al.* with respect to the first and second inlet lines of the claimed invention. Accordingly, Applicants respectfully request the rejection of Claim 3 under 35 U.S.C. § 103(a) over *Harandi et al.* in view of *Mehra et al.* be withdrawn.

CONCLUSION

In view of the foregoing remarks, Applicants respectfully assert that the rejection of the claims as set forth in the Final Office Action have been addressed and overcome. Applicants further respectfully assert that all claims are in condition for allowance and requests that an early notice of allowance be issued. If issues may be resolved through Examiner's Amendment, or clarified in any manner, a call to the undersigned attorney at (404) 745-2461 is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Jeffery B. Arnold', with a large, stylized initial 'J' and 'B'.

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